

Two I-R 100 Awards for Brookhaven

At a black-tie banquet in Chicago last night, Richard Lambrecht, Chemistry, and Dmitri Stephani, Instrumentation, were recognized for developing two scientific devices that were each winners of an I-R 100 Award. Associate Director Seymour Baron was also there to accept two winner's plaques for the Laboratory.

Lambrecht's device is an ocular radioactivity monitor, and Stephani developed a trio of electronic preamplifiers. As winners in the prestigious I-R 100 competition, both devices are judged to be among the 100 top technological achievements of the year. The competition, now in its 24th year, is sponsored by Research and Development magazine to recognize innovations that transform basic science into things people can use.

Eye Monitor

The ocular radioactivity monitor can be used to detect various eye diseases. Lambrecht began working on the monitor eight years ago, in collaboration with Samuel Packer, ophthalmologist at North Shore University Hospital and collaborator in the Medical Department at Brookhaven Lab. A final evolution of earlier models, the winning device is portable, relatively inexpensive, and easy to operate.

Lambrecht credits several associates for making important contributions to the development of the device. In the Chemistry Department design group, Richard Becker and Evelyn Ritter were responsible for fabrication and assembly of the portable unit, and Richard Seebeck calibrated the electronics. Also, Irving Montanez, now in the AGS Department, assisted during the early stages of the monitor's development, and Harold Atkins, SUNY at Stony Brook, acted as a clinical collaborator.

The instrument contains two radiation detectors, which are accurately positioned before a patient's eyes. After taking a radioactive tumor-localizing drug two or three days before examination, the patient looks into the detectors, and the radiation level in each eye is measured. A different level of activity in one eye compared to the other may indicate the

presence of a tumor or other eye disease.

Potential applications include screening of people who have a high risk of developing eye cancer, for example, people with a history of malignant cancers, particularly breast cancer in women and lung cancer in men; studies of ocular blood flow, particularly in glaucoma; and studies of degenerative diseases of the eye.

Lambrecht joined the Chemistry Department in 1969. He is in the radiopharmaceutical chemistry program, which develops new radiotracers for long-range medical application.

Electronic Preamplifiers

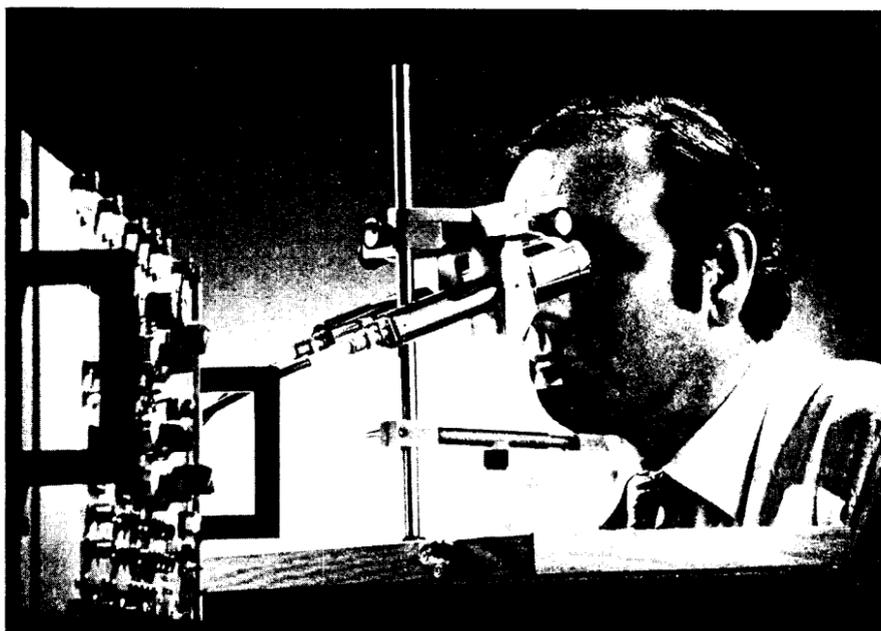
A trio of electronic preamplifiers, Brookhaven's second I-R 100 award winner, was developed by Dmitri Stephani, an engineer in Instrumentation.

Says Stephani, the devices were developed in response to the growing need for small preamplifiers for various detectors. In one current application in high energy physics, for example, the detector will use 2,000 preamplifiers.

Many kinds of radiation detectors produce small amounts of electrical charge from the interaction of nuclear radiation with matter. These charges are so small that they require amplification before further signal processing. Stephani's preamplifiers do the job quickly, with low electrical noise and low power dissipation. In addition, the preamplifiers are compact and repairable. Compared to similar devices currently on the market, they are cheaper, smaller, faster and more efficient.

The devices are formally called hybrid preamplifiers because they are based on a hybrid of technologies. They use thick film resistors, transistors in miniature packaging, and miniature chip capacitors, all on ceramic aluminum substrate.

Even though each of the three types of preamplifiers has different specific applications, they can be generally used in all areas of work involving measurements of radiation, such as physics, medical and nuclear electronics, and nuclear instrumentation for oil and coal exploration.



Richard Lambrecht at his ocular radioactivity monitor.

BNL has made a small quantity of these preamplifiers for Fermilab, SLAC, CERN, MIT and other labs and universities, and now, commercial production is being done by Rel-Labs Inc. here on Long Island. One preamplifier is also being made by Centralab in Wisconsin.

For giving him their advice and assistance on the preamplifiers, Stephani singled out the following in Instrumentation: Tony De Libero, Frank Densing, Hobie Kraner, Veljko Radeka, and Lee Rodgers. He also named Alex Hrisoho, a visiting electronic engineer from the Linear Accelerator Lab in Orsay, France.

Stephani has been in the Instrumentation Division since 1957, where he works specifically on developing new instrumentation required in various experiments at Brookhaven.

Other Winners

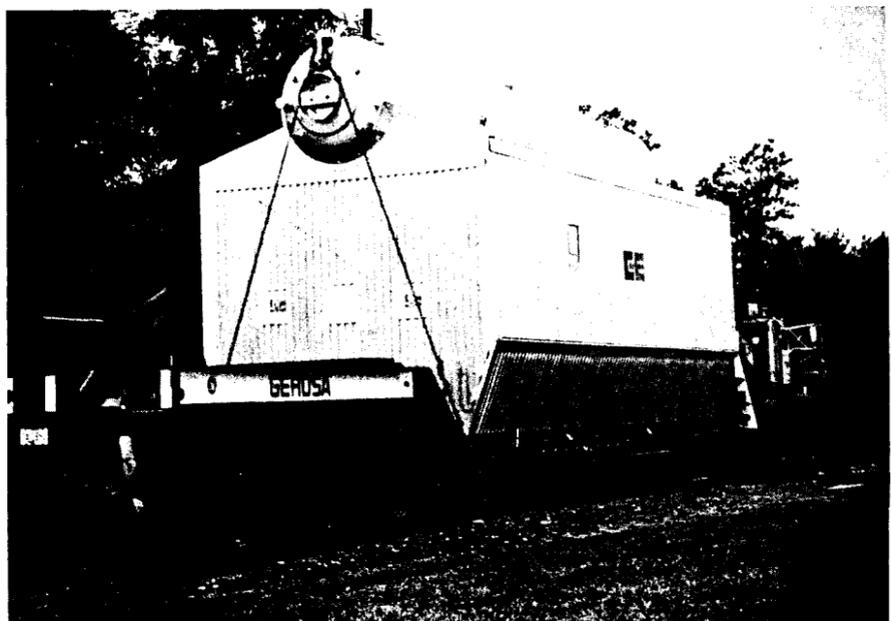
This is the second year that the Laboratory has sponsored entries in the I-R 100 competition, largely through the efforts of William Marcuse, head of the Office of Research and Technology Applications. Last year, Richard Lambrecht received I-R 100 recognition for an innovative radiopharmaceutical delivery system. In 1969, Meyer Steinberg, Department



Dmitri Stephani with an assortment of hybrid preamplifiers. Earlier versions were as big as index cards; these are smaller than postage stamps.

of Applied Science, entered the competition independently and won for his development of concrete polymer composite material.

—Mona S. Rowe



A large part of Brookhaven's plan to upgrade utilities has been put in place at the Central Steam Plant. A million dollar boiler arrived at BNL on Wednesday, after its journey from Chattanooga, Tennessee, via rail, barge and flatbed truck. It was wrestled into the plant by the Gerosa Co., a firm responsible for erecting the Christmas tree at Rockefeller Center each year. The boiler weighs 100 tons, is 14' wide, 28' long and 16' high. It replaces a worn-out boiler which was installed in 1955 and made 60,000 lbs/hr. of steam. The new boiler will produce 125,000 lbs/hr. of steam and will be integrated into the Total Energy Facility, a major program to strengthen the Lab's infrastructure.

BNL Lecture Chances Are...

Consider this. At the end of 1985, the New York State traffic accident records will show that some number of drivers were accident-free, some had one accident each, some had two accidents each, and so on. Then ask the question: How many accidents in all will the accident-free group account for during 1986?

Senior Mathematician Herbert Robbins asks such questions all the time, and answers them with his "empirical Bayes" theory of statistics. He will discuss such matters in the first Brookhaven Lecture of the season at 4:30 p.m. on October 2, in Berkner Hall. He has given his lecture the intriguing title: "Predicting your Future from Someone Else's Past," a title which could be said to describe Robbins' theory, a theory he has been polishing during his years at BNL.

As to the accident question posed above, would it be reasonable to assume that the 1985 accident-free group would remain accident-free in

(Continued on page 2)



Herbert Robbins



Crime historian/dramatist E. J. Wagner carefully researches her tales of Victorian murders and the development of forensic medicine, delving into old journals, trial transcripts and medical texts. Her program "Murder in the Laboratory," to be presented at 8 p.m. on Saturday, October 5, in Berkner Hall, has been prepared with the cooperation of the Suffolk County Medical Examiner's Office. This unique presentation, through the storyteller's art, of intriguing murder cases and their solution via medical evidence makes for a fascinating and memorable evening's entertainment. The event is sponsored by Brookhaven Women in Science for the benefit of its Renate W. Chasman Scholarship Fund. Tickets are \$5 and can be purchased from the BERA Sales Office and the ticket sellers listed below:

	Bldg.	Ext.	Name	515	4111
Mary Phillips	426	3282	Sharon Spark	515	4111
Vicki McLane	197D	2902	Florence O'Brien	490	2837
Penny Baggett	902B	5154	Bonnie Weslowski	555A	4301
Harriet Martin	477A	3487	Rae Greenberg	510A	3743
	911C	4853	Eena-Mai Franz	703	7103
	460	3338	Ellen Gannon	535	4216
Gail Williams			Pat Aud	120	7560

Show Train

Tickets are now available for the New York City Ballet's matinee performance of the Nutcracker Suite on Saturday, December 14, at Lincoln Center. The price of a ticket, which includes round-trip train fare, is \$27. Tickets for children under five years of age who ride the train free, are \$21 each.

Reservations will be made on a first-come, first-served basis and must be received no later than November 1. Make your checks payable to "Cash" and send them to BNL, P.O. Box 322, Upton, NY 11973. If you would like to receive a confirmation of your ticket purchase, send a stamped, self-addressed envelope along with your check. The reserved tickets for the ballet, as well as the LIRR train tickets, will be distributed at the Patchogue train station on the day of the performance, Saturday, December 14. Departure time for the train going into New York City will be 8:31 a.m.

Inside Info

This month, Vincent O'Leary, associate director for administration, was given a Long Island Distinguished Leadership Award by the publication, Long Island Business. He was cited for his commitment to the community's well being and for his involvement in many civic activities. To name just a few: O'Leary is president of St. Charles Hospital and Rehabilitation Center; treasurer of Brookhaven Town's Industrial Development Agency and chairman of its Economic Development Commission; vice president of the Emma Clark Library and the Boy Scouts of America Suffolk County Council; trustee of the Stony Brook Community Fund; and United Way Campaign Cabinet Member. He has served as chairman of the Maryhaven Center of Hope's executive committee, as director of the Suffolk County Chapter of the American Red Cross and as assistant chief of the Stony Brook Fire District.

Scholarship Alert

It's that time of year again! Applications for the 1986 AUI Trustee Scholarships are ready and waiting at the Office of Scientific Personnel. Each scholarship will be in the amount of \$2,000 per year, for a maximum of four consecutive years.

Up to 12 scholarships will be awarded to children of regular BNL employees on a competitive basis, and are renewable for up to four years of study toward an academic degree. In addition, up to three scholarships may be awarded to children of BNL and NRAO employees who are Black, Hispanic or Native American. One scholarship is available to qualified children of employees at both BNL and NRAO and one may be awarded to an additional applicant from either institution on a competitive basis.

To qualify for a scholarship, the applicant must be the son or daughter

of a BNL employee who began regular full-time or regular, eligible part-time employment no later than November 1, 1985, and who is employed by BNL at the time the award is announced. Children of retired employees or of employees who died when in regular service at the Laboratory are also eligible. The eligibility of stepchildren will be established if the employee regularly claims the child as a dependent for income tax purposes.

The applicant must also be a secondary school senior who will be graduated during the current academic year and who will enter college by the fall of 1986.

Complete information, application forms and critical data schedules, may be obtained from the Office of Scientific Personnel, 40 Brookhaven Avenue.

Chances

(Continued)

1986? "Of course not," says Robbins, "because although the group is doubtless somewhat better than average, part of its perfect record is due simply to good luck, and this will not persist forever. Hence, our answer should be some positive number, rather than zero, or preferably a pair of positive bounds within which we can be reasonably certain that the answer will lie."

This is an example of the "regression toward mediocrity" first observed by Sir Francis Galton about 100 years ago in his study of the relation of the heights of British fathers and sons. Galton found that short fathers tend to have sons who are somewhat taller than their sires, and tall fathers tend to have sons who are somewhat shorter. But by how much, and why? Come to Robbins' lecture and discover the world of mathematical statistics.

Herbert Robbins has just completed 32 years as Higgins Professor of Mathematical Statistics at Columbia University, and has been affiliated with the Applied Mathematics Department at Brookhaven for nearly 20 years. He is internationally known for his contributions to mathematical statistics, particularly sequential experimentation and the theory of probability.

All those interested in getting together after the lecture are invited to go with the lecturer to a restaurant off site. If you want to be part of this group, call George Rabinowitz, Ext. 7637.

U.S. Patent #4,476,103 was issued to Richard S. Sapienza and William A. Slegeir, both in the Department of Applied Science, and to Michael T. Foran, a former BNL employee, for developing a method of producing metal carbonyls from metal oxides, in particular, the formation of molybdenum carbonyl and iron carbonyl from their respective oxides.

Copper is used here in blended form or in chemically combined form as copper molybdate. Either form is used with a solvent, such as toluene, and subjected to carbon monoxide pres-

sure of 25 atmospheres or greater at about 150°-260°C. The reducing metal copper is used in catalytic concentrations or combined concentrations as CuMoO₄, and both hydrogen and water serve as promoters.

For inventing high temperature polymer concrete compositions, Jack J. Fontana and Walter Reams, both in Department of Applied Science, were awarded U.S. Patent #4,500,674. Their invention is a two-component composition useful with many bases,

including metal.

Component A, the aggregate composition, is broadly composed of silica, silica flour, Portland cement, and acrylamide. Component B, which is primarily vinyl and acrylyl reactive monomers, is a liquid system. Both are mixed in use, have thermal stability, and are operational at temperatures up to 260°C.

These polymer concrete composites consist of an inert inorganic filler and organic binder. They are used as building materials and for the repair of deteriorated concrete.

Patents Awarded



On September 23-24, 90 people met at Brookhaven who were representing DOE, the oil heat industry and the research community. They came together to discuss future research and development needs in the industry and to give input on heat technology advances, particularly in residential heating. New activities in this field would be developed by the Office of Building and Community Systems, Department of Energy. A panel discussion and four workshops followed the technical presentations. Roger McDonald, Energy Applications and Analysis Division, Department of Applied

Science, and John Batey, BNL consultant, were co-organizers of the meeting. Members of the panel (above) were, from left: Richard Krajewski, BNL; John Nally, BNL; Jack Cunningham, Thermo Products, Inc.; Dugald Stewart, Griffin-Galbraith Fuel Company; John Marran, Energy Kinetics; Leonard Fisher, The Carlin Company; and Michael Scanlon Jr., Petroleum Marketing Education Foundation. The meeting was sponsored by DOE, BNL and the Petroleum Marketers Association of America.

—photo by Horton

BROOKHAVEN BULLETIN

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Peter Horton

BNL is favored with attractive grounds and landscaping. A vital element in maintaining the natural beauty of the site is everyone's cooperation in "pitching in." Use a trash receptacle for litter, not the ground. If some one had "pitched in" here, Site Maintenance Driver Eddie Hobson would not have had to stop mowing the grass to pick up the litter.

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position, with consideration given to candidates in the following order of priority: (1) present employees within the department, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants. In keeping with the Affirmative Action plan, selection decisions are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all non-scientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment.

Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Employment Manager, Ext. 2882.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

2328. SECRETARIAL POSITION - Requires AAS degree in secretarial science or equivalent, excellent communication skills and a broad knowledge of Laboratory policies and procedures. Responsibilities include the preparation of technical reports on a word processor, travel arrangements and administrative paperwork. Chemical Sciences Division - Department of Applied Science.

2329. BUILDING AND GROUNDS UTILITY WORKER - Plant Engineering Division.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

2330. DESIGN ENGINEER - Requires a BS degree in mechanical engineering or equivalent plus at least 10 years' experience in the design of large, heavy structures and their associated motion and erection schemes. Major involvement in decisions, recommendations, calculations and actual drawings associated with the construction of a large elementary particle detector necessary. Physics Department.

2331. TECHNICAL POSITION - Requires AAS degree in electronic technology or equivalent and a minimum of three years' experience in the design, fabrication and testing of high current power supplies. Knowledge of digital and analog circuitry is also desirable. National Synchrotron Light Source Department.

2332. TECHNICAL POSITION - Requires AAS degree in electronic technology or equivalent and a minimum of three years' experience in the design, fabrication and testing of high power rf systems. Experience with high voltage equipment is desirable. National Synchrotron Light Source Department (Reposting of Job No. 2191).

2333. CLERICAL POSITION - Requires excellent and extremely accurate typing skills to perform diverse clerical duties within the Personnel Records area. Previous experience in this area is highly desirable. Involves detail work in record keeping and some computer usage. Excellent communications skills are necessary. Personnel Division.

Autos & Auto Supplies

77 HONDA CIVIC - hatchback, 45k, new trans., 38 mpg, good mech., \$840. Ext. 3164.

85 BMW - M635CSI, 24 valve engine, 185 HP, 5 spd., antiskid brakes, a/c, cruise, computer sliding roof, radio. 941-4999.

83 TOYOTA COROLLA - wagon, 5 spd., am/fm stereo cassette, roof rack, low mi., mint. Ext. 2438 or 689-8958.

79 PONTIAC - Sunbird, a/t, a/c, stereo, low mi., \$2,350. Ext. 4175 or 298-4089.

77 DATSUN 200SX - 5 spd., 61k, am/fm stereo, new tires, clutch, brakes, \$1,150. 744-5843.

83 PLYMOUTH - Turismo, 2.2, 5 spd., 35 mpg, am/fm cassette, clean, \$4,500. Ext. 7643 or 654-2617.

77 BUICK SKYLARK - clean, dependable transp., 4 dr. sedan, V6, p/s, p/b, a/t, \$1,250. 283-0475 after 5 p.m.

77 OLDS OMEGA - sedan, good cond., reliable transp., 6 cyl. \$1,200. 588-5287.

79 OLDS STARFIRE SX - p/s, p/b, a/c, 4 spd., V6, velour int., \$1,295. Rich, Ext. 4482 or 277-2719.

78 HONDA CIVIC - 24k, rebuilt motor, clean, runs well, \$12,000. Ralph, Ext. 3649.

73 CHEVY IMPALA - a/c, p/s, trailer hitch, \$450. Jim, Ext. 3372.

78 MUSTANG - V6, 4 spd., 54k, clean, make offer. Ext. 4489.

75 CHEVY WAGON - runs well, good tires, air shocks, new carb., starter and brakes, reg. gas, \$850. Ext. 3238 or 744-1194 after 5 p.m.

74 PINTO WAGON - 56k mi., inspected 7/85, includes (4) spare tires, (2) snows, \$700. Raul, Ext. 4331 or 924-1421.

78 CADILLAC - Fleetwood Brougham, 4 dr., like new, \$4,750. 475-4596.

78 CHEVROLET - pickup, 350, a/t, V8, clean, 73k mi. 821-9296.

74 DATSUN 610 - wagon, good for parts, needs engine work, a/t, rust, \$100. 929-6646.

81 PONTIAC BONNEVILLE - 4 dr., a/c, p/s, elec. windows, wire wheels, \$4,000. Ext. 2314 or 242-7873.

(Continued on page 4)

Dinner Theater Box Office Opens Today

Starting this morning and continuing each day between 11:30 a.m. and 1 p.m., tickets for the BERA DeLuxe Dinner-Theater will be sold in the cafeteria lobby. The big event will take place at Berkner Hall on Saturday, October 26, from 6 p.m. to 2 a.m.

The BERA Special Events Committee is planning a super-special evening of entertainment. Take a look: a gourmet dinner; a fashion show presented by Sophisticated Lady of Patchogue; a Viennese Table which will follow the performance by the Broadhollow Theater Players of "Two by Two," a musical comedy with music by Richard Rogers and lyrics by Martin Charmin; and three hours of dancing to the music of both a live band and a DJ. All this for \$22.50 per person.

When buying tickets, employees will be asked to specify their dinner entrée selections of either prime ribs of beef, or chicken cordon bleu. Since only 400 people can be accommodated in the dining room, a quick sellout is expected. Get your tickets without delay — don't be disappointed!

Service Awards

The following employees received service awards during the month of September:

Thirty-five Years

Clara A. Bjerknes Biology

Thirty Years

Donald C. Borg Medical

Nicholas Cipolla, Jr. Plant Eng.

John D. Langfeldt AGS

Lawrence B. Leipuner Physics

Thomas W. Morris Physics

Joseph M. Titmus S&E Prot.

Howard Vetter AGS

Twenty-Five Years

Nicholas C. Combatti Biology

Mary Kish Plant Eng.

Joseph A. Weynand S&E Svcs.

Twenty Years

Arthur H. Barnes Central Shops

John Bennett Supply & Mater.

Gloria Cusimano Manage. Info. Sys.

Beverly R. Gwathney S&E Svcs.

Myron C. Ledbetter Biology

Mordechai Montag Physics

Ralph T. Sanders AGS

Herbert Schulman S&E Prot.

Sharon L. Smith Physics

Suzanne C. Vander Kolk Medical

Ten Years

Judith F. Colman Nuclear Energy

Arokiasamy J. Francis Applied Sci.

William H. Harold Medical

Brant M. Johnson Applied Sci.

Mary T. Kosak Applied Math.

Caroline F. Kramer Applied Sci.

Ming-Shih Lu Nuclear Energy

Janakiram R. Naidu S&E Prot.

Walter M. Palais Photo. & Gr. Art

Gordon J. Smith Applied Math.

Avril J. Woodhead Biology

Hospitality News

Adrienne Usher will demonstrate Russian punchneedle embroidery at the Hospitality Committee's next morning get-together on Tuesday, October 1, from 9:30 to 11:30 a.m. at the Brookhaven Center.

Wives of Laboratory employees, guests and visitors are welcome. Coffee, tea and danish will be served. Please come and bring the children. Babysitting will be provided free of charge.

Wine Making

The Suffolk County Farm & Education Center, at Yaphank, will host a four-part series on "Wine Making in Your Own Home," beginning October 1 at 7:30 p.m. The workshop fee of \$25 includes a starter kit and a book that tells you what you need to know to begin this hobby. Pre-registration is required. For more information, call 924-4535, Ext. 506.

Swimming Pool New Season

Tickets for a new four-month season (October 1, 1985 - January 31, 1986) will be sold at the swimming pool during open hours starting Tuesday, October 1.

Pool Fees:

Season Tickets (fees not prorated)

Individual Membership \$25.00

Family Membership \$35.00

Season tickets are sold only to employees and their immediate family members who reside in the same household.

Schedule:

Monday through Friday

(Employees only) 11:00 a.m. to 1:30 p.m.

(Employees/Family Members/Guests)

5:00 p.m. to 9:30 p.m.

Saturday and Sunday

(Employees/Family Members/Guests)

1:00 p.m. to 6:00 p.m.

Guest Ruling (Applies to all recreation facilities)

One Guest - An employee is allowed to bring one guest per visit without special permission or prior arrangement. The guest must be accompanied by the employee.

Two to Five Guests - Advance arrangements for two to five guests may be made at the Recreation Office. (No more than five guests per employee is ever permitted.) When such an arrangement is made, the Recreation Office issues an admission card stating the sponsor's name and life number, the number of guests permitted, the date of visit, and the facility to be visited. Guests must be accompanied by the employee, who will be requested to show the admission card at the main gate and at the swimming pool ticket desk.

Bowling

White League

High games were bowled by Ben Belligan 210, Ed Sperry IV 201/199, Jeannette Thiede 183, Jean Stelmaschuk 170, Karen Jacobs 169.

Red/Green League

H. Marshall rolled a 233, J. Cochrane 210, T. Prach 204, C. Bohnenblusch 202, H. Arnesen 200.

Model Plane Club

The regular meeting of the R/C Model Airplane Club will be on Tuesday, October 1, at noon at the club field.

Islanders Pre-Season Tickets

There are still a few tickets left for the N.Y. Islanders pre-season home games. Get them at the BERA Sales Office in Berkner Hall.

Arrivals & Departures

Arrivals

Joseph F. Aloia NSLS

Stephen M. Barr Physics

Gyozo Garab Biology

Departures

This list includes all employees who have terminated from the Laboratory, including retirees:

Eileen P. Carapezza DAS

Lisandro P. Cardoso DAS

James A. Greco Mgt. Info. Sys.

Walter J. Mason, Jr. Plant Eng.

Cafeteria Menu

Week of September 30

Monday, September 30	
Beef noodle soup	(cup) .65 (bowl) .85
Batter fried steak & one veg.	2.40
Beef Burgundy over noodles	2.35
Hot Deli: Hot corned beef sandwich	(bread) 2.25 (roll) 2.40
Tuesday, October 1	
French onion soup	(cup) .65 (bowl) .85
Pot roast of beef & one veg.	2.40
Turkey ala king over rice	2.35
Hot Deli: Barbecue baked ham	(bread) 2.20 (roll) 2.35
Wednesday, October 2	
Cream of broccoli soup	(cup) .65 (bowl) .85
Veal Parmesan w/ spaghetti	2.45
Turkey chow mein over rice	2.35
Hot Deli: Swiss fishwich on bun	2.25
Thursday, October 3	
Cream of spinach soup	(cup) .65 (bowl) .85
Pepper beef over rice	2.40
Beef Stroganoff over noodles	2.35
Hot Deli: Hot pastrami	(bread) 2.20 (roll) 2.35
Friday, October 4	
New England clam chowder	(cup) .65 (bowl) .85
Batter fried fish & one veg.	2.40
Ham & noodle au gratin	2.40
Hot Deli: Fried clam boat	2.35

Autos & Auto Supplies (Cont'd)

70 CADILLAC - new starter & new tires, runs well, body ready for paint. \$350. 589-6803.

56 FORD - Customline, one owner, low mi., very good cond., \$1,500. Kevin, 281-8031.

76 OPEL - 77k mi., excel. running, a/t, p/b, inspected 9/85. \$600. Ext. 2408 or 472-1243 after 6 p.m.

74 OPEL MANTA - new trans. and clutch, high mi., good cond., \$750 neg. 467-5811 eves.

74 CORVETTE 350 - 4 spd., power, 65k mi., needs cosmetic work. \$6,000. Ralph, Ext. 2539.

ROLL-BAR - for CJ-5 Jeep, reas., hard top for 1955/1975 CJ-5 Jeep, incl. doors w/crankup windows, very good cond., \$200. Joe. B., beeper 572.

84 CHRYSLER - Towne and Country wagon, mint cond. 477-2262 after 6 p.m.

77 CHEVY MONZA - parts. 698-1282.

70 DODGE SWINGER - 6 cyl., runs well, \$500. Ext. 7527 or 475-6493.

81 BUICK SKYLARK - 48k mi., loaded, excel. cond., black/red int. Mike, Ext. 7698 or 581-8891 eves.

78 SUBARU - brown, 4 spd., 4 cyl., rel. transp., new tires, brakes, etc., 25 mpg, good cond., \$795. 751-4822.

79 CORVETTE - red, a/t, a/c, p/s, p/b, p/w, am/fm, t-tops, alarm. 29k mi., \$11,500. 289-7650.

79 CHEVY CAMARO - mint cond., 8 cyl., am/fm, a/c, 79k mi., \$5,000. Lisa, Ext. 4432 or 727-1367 eves.

75 FORD TORINO - new tires, rebuilt trans., good cond. Ext. 3650.

68 VW BEETLE - runs, looks good, needs minor work, \$300. Greg, Ext. 2575 or 399-1258.

80 DATSUN 200SX - 30 mpg, 5 spd., 70k mi., \$2,750. 473-2014.

SHOP MANUAL - for Scirocco Rabbit, 74-78, \$8; new VW radiator fan, \$35; Bosch ignition points, \$1. Alice, Ext. 3293.

77 DELTA 88 - \$900, must see. Lisa, 736-1281.

75 FORD PINTO - many new parts, good transp., \$600. 475-5849.

70 DODGE VAN - 318, a/t, \$600 or best offer; chrome tube grill, \$10; chrome roof rack, \$15; 1976 Ford F-100 pickup, w/cap, Custom 302, \$1,200. Ray, Ext. 3536 or 289-7615.

73 PINTO WAGON - new batt., tires & muffler, \$500. Joe, Ext. 4639 or 399-4169.

76 PLYMOUTH VALIANT - 6 cyl., am/fm, p/s, 76k mi., reliable, \$750. 361-8583 after 6 p.m.

82 TOYOTA TERCEL - 2 dr. sedan, 4 spd., a/c, am/fm stereo cass., low mi., excel. cond., \$3,950. Ext. 4153 or 732-5829.

80 TOYOTA TERCEL - 5 spd., excel. cond., \$1,900. Ext. 3908.

76 CHEVY MALIBU WAGON - 8 passenger, roof rack, new brakes & tires, excel. mech., reliable, \$500 or best offer. Ext. 2830 or 543-0487.

71 HONDA CB350 - runs well, windshield, helmet, Brian, 744-2169.

75 DODGE STATION WAGON - 80k mi., a/c, p/b, p/s, \$500. 473-1847.

73 CHEVY IMPALA - p/s, a/c, runs well, \$450. Jim, Ext. 3372.

74 CHEVY MALIBU CLASSIC - 350, p/s, p/b, high mi., orig. owner, \$475. Ext. 4087.

73 PINTO - am/fm stereo, Michelin radials, 4 spd., good cond., \$1,000 or best offer. 226-1828 after 5 p.m.

78 COROLLA - 2 dr., 5 spd., excel. mech. Al or Shirley, 727-3731.

61 CJ-5 JEEP - Buick V6, new exhaust system & top, rebuilt trans. & transfer case, \$1,500. Bill S., Ext. 4434.

77 HONDA CIVIC - 4 spd., 38 mpg, rebuilt trans., good mech., 46k mi., new parts, \$850. Ext. 3164.

78 PONTIAC PHOENIX - 2 dr., a/t, V6, a/c, full power, excel. cond., \$2,500; 1978 Mercury Monarch, 2 dr., a/t, V8, a/c, full power, 38k mi., immac., \$2,700. 653-5243.

78 HONDA CIVIC - excel. running cond., 33-38 mpg, clean, no rust, \$2,000. Diavadeenam, Ext. 5076 or 744-4615.

70 NOVA - a/t, p/s, reliable eng. & trans., new suspension & exhaust system, \$450. Walt, Ext. 2907 or 698-0576.

83 MERCURY MARQUIS - fully loaded, like new, \$6,900. Debra, Ext. 2896 after 3 p.m.

70 CADILLAC - new tires, new starter, runs well, ready for paint, \$350. 589-3072.

73 VW BEETLE - 4 spd., runs but needs work. 281-8458 eves. and wknds.

79 PLYMOUTH VOLARE - 3 spd., slant 6, excel. cond., low mi., a/c, p/s, p/b, \$1,850. 736-0762.

77 DATSUN B210 - 4 Jr., 4 spd., \$250 or best offer. Ext. 2184 or 269-9836 after 5 p.m.

76 CHEVY MALIBU - wagon, 8 seater, small V8, p/s, new p/b, starter, excel. eng., dents, \$700 or best offer. Ext. 2830 or 543-0487.

78 CHEVETTE - 2 dr., 4 spd., 30 mpg, excel. cond., \$1,200. Ext. 2610 or 924-5272.

78 SUZUKI - GS1000E, 23k mi., \$1,000. Ext. 4027 or 286-1121.

76 SUZUKI - GT500, 5 spd., 2 cyl., 2 cycle, \$450 neg. Dave, 928-6190 or John, Ext. 4214 or 475-5543.

69 CHEVY - 9 pass. wagon, \$250. John, Ext. 4214 or 475-5543.

TIRES - (1) L78-15, (1) J78-15, (2) G78-14 snow, \$10 ea; (1) new space saver, G78-14, \$40. Tony, Ext. 7772.

76 CHEVETTE - new tires, brakes, battery, exhaust, 40k mi., \$1,400. 427-8850 after 6 p.m.

75 FORD F250 - pickup, heavy duty, extras, mint cond., 1500 mi. Mike, 281-0001.

STEREO - am/fm radio from '82 Mazda, \$35. Ext. 3012.

74 PINTO WAGON - 56k mi., inspect. 7/85, incl. (4) spare tires, (2) snows, \$700. Raul, Ext. 4331 or 924-1421.

75 CHRYSLER STATION WAGON - am/fm, a/c, p/b, p/s, a/t, runs well, \$400 or best offer. Armin, Ext. 3104 or 4570.

72 VOLVO WAGON - am/fm tape, excel. running cond., \$875. Ken, Ext. 2008 or 928-5875 after 6 p.m.

CRAGER RIMS - (4), w/caps, 3 with usable rubber, 1 blowout, \$50 or best offer. Ray, Ext. 3536 or 289-7615.

70 CHEVY MALIBU - 8 cyl., p/s, p/b, orig. owner, new tires & brakes, \$800. Larry, Ext. 4295.

80 DODGE OMNI 024 - 4 cyl., 4 spd., a/c, am/fm stereo cass., louvers, 67k mi., excel. cond., \$2,550. Barry, Ext. 5624 or 727-5956.

83 CAMARO Z-28 - V8, t-tops, am/fm cass., silver/black int., full power, many extras, 39k mi., excel., \$9,500. Tom, 757-2178.

71 TORINO - excel. mech., body fair, 67k mi.; 1977 BMW 530i, 4 spd., 81k mi., \$5,800. Steve, Ext. 4008.

72 DODGE DART - new carb., brakes & tires, 167k mi., runs well, \$200; 1979 Chevy Chevette, a/c, new carb., brakes & tires, 78k mi., \$1,500. Ext. 5332 or 928-2994.

79 CHEVY IMPALA WAGON - 8 passenger, V8, a/t, a/c, p/s, p/b, am/fm, c/c, 62k mi., excel. cond., \$3,950. Russ, Ext. 3059 or 744-7242.

EQUALIZER HITCH - Reese, single lever, \$50. Ext. 4846 or 363-6940.

76 FORD PINTO - 2 dr., 4 cyl., 24 mpg, new batt. & muffler, excel. running cond., \$925. Ext. 2091 or 422-2416.

TRAILER HITCH - Class I, \$30. Ext. 2514 or 757-3178.

COACHMAN TRAILER - bunkhouse, sleeps 9, immac., \$6,000. 732-5445.

83 HONDA - Nighthawk, 650cc, like new, 4k mi., \$2,000 firm. Bob, Ext. 3145.

77 FIREBIRD - V6, a/t, p/s, p/b, red/white int., excel. cond., \$4,500. 585-3417.

75 FORD LTD - 2 dr., a/t, p/s, p/b, \$1,075. 475-4394.

76 CHEVY LUV - 4 cyl., am/fm cass., tool boxes, \$1,800. 563-2751 after 5 p.m.

75 CHEVY VEGA - good transp., red, \$800. Ext. 3423 or 924-5549.

77 CADILLAC - sedan DeVille, 56k mi., c/c, full power, new brakes, battery, starter, \$2,700. 924-3320.

Boats & Marine Supplies

22' O'DAY - 1982, 3 sails, VHF, elec. start, 7.5 Mercury, many extras, \$15,000. 698-8158.

27' CHRIS CRAFT - twin eng., sleeps 4, standup head, kitchen dinette, good cond., \$5,800. Bill, 281-3624.

19' SPORT CRAFT - 1974, 115 HP 1985 Mercury, power head, best offer. Mike, Ext. 7698 or 273-7977 eves.

36' GIBSON HOUSEBOAT - excel. cond., loaded, in water. Don, Ext. 2075 or 654-2106.

26' PEARSON - ariel sloop, inboard power, new elect., cradle, etc., in Setauket Harbor, \$12,000. 689-8685.

18-1/2' THUNDERBIRD - all glass, cuddy cabin, navy top, 105 HP Chrysler, good cond., \$1,100. 298-4155.

18' CENTURY - 1984, B2000 Bow-Rider, 170 HP F.W.C., full canvas, used 7 hrs., \$9,500. John, Ext. 4255 or 929-4450.

15' RACING SAILBOAT - 420, trailer, \$600. Jim, Ext. 3372.

JOHNSON ENGINE - 1981, 4-1/2 HP, long shaft, used 6 hrs., excel. Brownie, Ext. 4028.

26' SAILBOAT - 1972, Pearson, 15 HP eng., 5 sails, d/f, Ext. 3921 or 689-9214.

25' MORGAN SAILBOAT - 4 jibs, spinnaker, new mainsail, 9.9 HP. Steve, Ext. 4008.

Miscellaneous

ORGAN - excel. cond., \$1,085. Ext. 4395 or 653-4195.

COMPUTER - Vic-20, excel. cond., \$100; pool table, 4'x8', w/exc., good cond, \$50. 654-8438 eves.

COAL STOVE - Wellington, plus 1-1/2 coal, \$250. 744-6514.

PINE ROCKER - couch, red/blue plaid, \$125; boy's 24", 10 spd., speedometer, excel. Judy, 929-8614 after 4 p.m.

COAL STOVE - Haasnsohn, brown enamel finish, hopper feed, thermostat control, shaker grate, \$350. 369-2716.

TYPEWRITER - Smith-Corona, elec., portable w/case, excel. cond., \$50. Ext. 4751.

GE STOVE - range hood, self cleaning, elec., top of line, mint, best offer. 929-8784.

MATTRESS - box spring and frame, queen size, good cond. Mark, Ext. 7708 or 744-0903 eves.

GE WASHER & DRYER - like new, \$300; Salem pine d/r set, (3) chairs and Deacons Bench, Dotti, 744-7906.

SOFA - (4) cushions, good cond. Levine, 473-2754.

WOMEN'S TENNIS SHOES - Nike, leather, 7-1/2, \$20. Chris, Ext. 2907.

KODAVISION CAMCORDR 2400 - w/Haliburton custom case, many access., like new, cost \$1,300 sell for \$685. 929-6646.

TIRES - (3) A-78-13" snows; (1) A-78-14" w/rim, good cond., make offer. Janet, Ext. 2345 or 929-8152.

FIREWOOD - split, seasoned oak, 4'x16'x18-22" pieces, \$110 del. 732-2849.

FOOD PROCESSOR - Bosch, 450W, keeps 6 lbs., w/many access. Monika, Ext. 3117.

CHILD'S TOY - Big Wheel tricycle, good cond., \$10. 929-6442.

DRESSER - hardwood, (5) drawers, light blue, very good cond., \$100; hair dryer, salon style, \$20. Ext. 3370.

BIKE - boy's hi-riser, 3 spd., Shimano hub, excel. cond., \$65. 821-0354 after 6 p.m.

BMX - Dia-compe rear brake w/#890 caliper and Tech-3 lever, black, almost new, \$10. 331-5912.

COMPUTER GRAPH RECORDER - Eagle Mach 1, w/7 rolls of paper, used once, \$300. Ext. 4213.

SIAMESE KITTENS - breeding pair, 1 blue, 1 seal. Ramona, 928-3088.

Classified Ad Policy Deadline is 4:30 p.m. Friday for publication Friday of the next week.

BEDROOM SET - dark colonial, (2) dressers, night stands, lamps, mirror w/shelves, mint, \$300. 821-0945.

STORM WINDOWS - alum., (2) 24" x 50-3/4", (1) 47-3/4" x 50-3/4", all for \$25; timing light, \$15; baby carriage, \$20. 567-9025.

HEMLOCKS - Tsuga Canadensis, 3 ft., field grown, \$10 ea. 589-4363 after 6 p.m.

GOLF CLUBS - and bag, \$60; water bed mattress for baby crib, never used, cost \$125, sell for \$75. Charles, Ext. 2021.

LADIES COAT - full length, sheepskin, size 7-8, new, \$470. Prem, Ext. 3382.

FRESH FISH - Blues, Weaks, legal St. Bass, etc., wholesale prices, leave number. Ruger, Ext. 2107.

FIREWOOD - oak and cherry, split, cured, over 1/3 cord, you pick up, \$50. Tom, Ext. 4084 or 878-1060.

SPEAKERS - pair, Sansui, stereo, \$40; car ramps, \$8. Dave, Ext. 4256.

TRUMPET - for beginner, w/case \$75. Jim, Ext. 3372.

CB - 23 channel, w/antenne, \$35; Thomas organ, w/rhythm section & pedals, \$1,200; single bed, w/bookcase headboard, box spring & mattress, \$50; camera and projector, 8 mm, w/screen, \$75. 473-3987.

HOOVER VACUUM - upright model, 3-1/2 yrs. old, hardly used, \$60. Paul, Ext. 4106 or 689-8675.

JET PUMP - deep well, 3/4 HP, 3 yrs. old, and glass lined tank, 6 mo., \$200. 924-6751 eves.

AM/FM STEREO - receiver amplifier, 18 watt per channel, AR-18, speakers, \$100. Rau, Ext. 3864.

POOL TABLE - Ebonite, regulation size, like new, accessories included, must see, reasonable. 878-1731.

CLARINET - Bundy model w/case, good cond., \$125. Ext. 2314 or 567-5131.

SCOTIA COAL STOVE - cylinder style, 33S, 30 lb. capacity, 33,000 BTU's, used one season, \$350. M. Bonanno, 399-6367.

CRIB - changing table w/drawers, Mediterranean Style, coil mattress, excel. cond., \$200. Jim, Ext. 7772.

STEREO - Clarion, 8 track, 4 channel w/4 speakers, turntable, good cond., make offer. Ext. 7112 or 472-1922.

BLOW DRYER - professional, for dog grooming, \$100. Ext. 2314 or 567-5131.

DINING ROOM SET (4) chairs, buffet, dark maple, \$300; antique cabinet, glass front 50", \$200; Scandia cookware, (4) pc. w/covers, \$25; full w/ twin mattress, box spring, \$25. Ann, 286-2280.

DINING TABLE - heavy pine trestle, (4) chairs, \$125. 288-9086.

BICYCLE - ladies/girls, 26", 3 spd., good cond. Ralph, Ext. 4171 or 878-1280.

TRAILER - 5' x 4' x 2' deep, price neg. Liz, Ext. 2318 or 286-8563.

CANNING JARS - quarts, glass top. Ext. 2950.

VCR - RCA VHS, model VJT255, w/remote, 1 yr. old, \$150; 15" b/w Sanyo TV, excel., 2 yrs. old, \$40; color TV, 13" Samsung w/remote control, almost new, \$125. Dick, Ext. 3273.

IBM PC - Clone, monochrome monitor, Hercules graphics, multifunction clock, 640k, 2 drives, \$1,550. Doug, Ext. 7521 or 732-7634.

TENNIS SHOES - Nike, ladies size 7-1/2, leather, \$20. Chris, Ext. 2907.

GAS DRYER - washer, \$375 for both, used only 1 year, heavy duty with instructions, receipts. Ext. 2389 or 751-1224.

PROJECTION TV - three tube, Heath, 60" screen w/bi-flod doors, very bright, excel., \$650. 929-6646.

ROTOTILLER - Troy-bilt, 6 HP, new, used only 3 times, \$1,000 firm; tractor tires. 929-3061.

GE REFRIGERATOR - range-top, self clean wall oven; dishwasher, excel. cond., \$600. 821-0794 after 6 p.m.

AL STEWART TICKETS - Sept. 29, (2) or (4) tickets available. Ext. 4142 or 286-0745.

SKI POLES - 47", \$10; Crossman CO2 rifle, \$15; 2 person inflatable boat, oars, \$20. Frank, 981-2529.

GE REFRIGERATOR - 13.6 cu. ft., top freezer, almond, good cond., \$85. 722-4489.

COMPUTER DESK - new, 31" x 21" x 62", cost \$75 sell for \$40. Ext. 3187 or 2823.

DINING ROOM SET - table, (5) chairs; queen size mattress, \$100 or best offer. Ady, Ext. 4531 or 331-3785.

GE TOASTER T128 - dual control, (4) slice, new, cost \$35, sell for \$20. Bing, Ext. 2675.

GARAGE DOORS OR SHUTTERS - (2) rollup, insulating, security, Tough, P.V.C. construction, size 8 x 8, \$1,000 neg; (1) large steel combination safe, 26 x 26 x 44, \$150 neg. 286-0027.

COUNTRY OAK HUTCH - 48" wide, excel. cond., \$400. 929-4603 after 6 p.m.

HOLIDAY SPA MEMBERSHIP - V.I.P., lifetime, \$36 yearly renewal, \$500. 929-3697 after 4:30 p.m.

COLLECTOR PLATES - Rockwell, set of 12, Rediscovering Women, 1920's dress, value \$425, sell for \$320. Al, Ext. 4615.

AIREQUIPT SLIDE CHANGER - model 950, w/zoom lens, plus (11) carousels and (16) cartridges, \$65. 929-4326.

PIANO - needs work, best offer. Ext. 3919 or 2385.

COLOR TV - 16", Panasonic, good cond., \$50. Ext. 3187.

CHAIRS - (6) highback, wrought iron, need seat covers, plus 5' octagon table, \$50; S&S GBL carb. manifold & air breather, \$100; 30' gas range, white, good cond., \$35. Ext. 2023 or 585-8809 eves.

VANITY - w/sink, 43"; toilet; doors; etc., any reasonable offer. Ext. 2051 or 689-8685.

BED LINENS - compl. set, Fieldcrest, for (2) twin beds, no-iron, percale, brand new, pastel yellow trim, \$30. Lest, Ext. 2920.

DISK DRIVE - for Apple II computers, Rana systems elite one, \$55. Ext. 4072.

DINING ROOM SET - table & (4) chairs, pecan finish, oval, (3) leaves, seats 12, \$100. Ext. 2874 or 286-9257.

COMPUTER - Radio Shack, model TRS80-MC10, microcolor, like new, \$45. Tony, Ext. 7772.

SHREADER GRINDER - model W.W., elec., ideal for composting leaves, plants, etc., \$75. Ext. 2705 or 286-1062.

CRIB - mattress; bumpers; adjustable walker, mind cond., \$55. 286-0259.

ALUMINUM STORM DOOR - white, 36" wide, Jalousie glass, \$35; (2) alum. window awnings, white, for 36" wide windows, \$20 ea., you pick up. Ext. 4680 or 286-1331 after 5:30 p.m.

PIANO - Yamaha, console style, full keyboard w/bench, ebony, excel. cond., \$1,200. Ext. 7194 or 929-3683.

GE REFRIGERATOR - 14 cu. ft., good cond., \$150. Mark, Ext. 2957 or 331-2270.

GE RANGE - counter top style, \$30. Ext. 4192.

JAPANESE YEW - Takus, Cuspidata, Capitata, 2 ft. transplants, field grown, \$12 ea. 589-4363 after 6 p.m.

ENTERTAINMENT UNIT - Danish modern, w/drop lid, lighted bar, 66"x72", \$400; Colonial trestle table, with (6) chairs, \$100; 2.8 cu. ft. refrigerator, like new, \$100; toaster oven, \$20. 265-5423.